

SP00-230 (604/2)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ye Fang, et al

Serial No: 09/854,786

Filed: May 14, 2001

For: ARRAYS OF BIOLOGICAL  
MEMBRANES AND METHODS  
AND USE THEREOF

Examiner: My Chau T. Tran

Group Art Unit: 1639

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.56, 1.97 – 1.98**

Mail Stop Amendment  
Commissioner of Patents  
Alexandria, VA 22313-1450

Dear Sir:

The Examiner's attention is hereby directed to the following reference(s) listed on the attached Form PTO-1449 for consideration in connection with the examination of the above-identified patent application. One copy of any non-US patent is enclosed.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the enclosed documents constitute "prior art." If it should be determined that any of the submitted documents do not constitute "prior art" under United States law, applicant(s) reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant(s) further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the enclosed references, should one or more of the references be applied against the claims of the present application.

Respectfully submitted,

Thomas R. Beall  
Registration No. 40,424  
Corning Incorporated  
SP-TI-03-1  
Corning, NY 14831  
607-974-3921  
Date: September 16, 2005

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Mail Stop Amendment, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on September 16, 2005

Date of Deposit

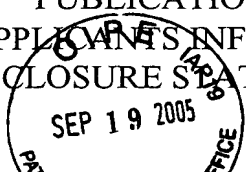
Thomas R. Beall

Name of applicant, assignee, or  
Registered Representative

Signature

September 16, 2005

Date of Signature

FORM PTO-1449 (MODIFIED)	ATTORNEY DOCKET NO.:	SERIAL NO.
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	SP00-230 (604/2)	09/854,786
	APPLICANT Ye Fang, et al.	
	FILING DATE May 14, 2001	GROUP: 1639

REFERENCE DESIGNATION				U.S. PATENT DOCUMENTS			
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date if Approp.
	AA	5,677,196	10-14-97	James N. Herron et al.	436	518	
	AB						
	AC						
	AD						
	AE						

FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Sub-Class	Translation Yes No	
	AF	WO 96/26432	08-29-96	PCT			X	
	AG							
	AH							
	AI							
	AJ							
	AK							

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)		
AL	J.T. Groves et al., "Micropatterning Fluid Lipid Bilayers on Solid Supports", Science, Vol. 275, January 31, 1997, pgs. 651-653	
AM	J.T. Groves et al., "Substrate-Membrane Interactions: Mechanisms for Imposing Patterns on a Fluid Bilayer Membrane", Langmuir, 1998, Vol. 14, pgs. 3347-3350	
AN	B. Raguse et al., "Tethered Lipid Bilayer Membranes: Formation and Ionic Reservoir Characterization", Langmuir, 1998, pgs. 648-659	
AO	J.M. Stadel et al., "Orphan G Protein-Coupled Receptors: A Neglected Opportunity for Pioneer Drug Discovery", TIPS, November 1997, Vol. 18, pgs. 430-437	
AP	G. MacBeath et al., "Printing Proteins as Microarrays for High-Throughput Function Determination", Science, September 8, 2000, Vol. 289, pgs. 1760-1763	
AQ	J. Drews, "Drug Discovery: A Historical Perspective", Science, March 17, 2000, Vol. 287, pgs. 1960-1964	
AR	A.D. Howard et al., "Orphan G-Protein-Coupled Receptors and Natural Ligand Discovery", TRENDS in Pharmacological Sciences, March 2001, Vol. 22, No. 3, pgs. 132-140	
AS	O. Civelli et al., "Orphan Receptors, Novel Neuropeptides and Reverse Pharmaceutical Research", Brain Research 848, 1999, pgs. 63-65	
AT	V.V. Gurevich et al., "Agonist-Receptor-Arrestin, an Alternative Ternary Complex with High Agonist Affinity", The Journal of Biological Chemistry, November 14, 1997, Vol. 272, No. 46, pgs. 28849-28852	
AU	R.H. Oakley et al., "Differential Affinities of Visual Arrestin, $\beta$ Arrestin1, and $\beta$ Arrestin1 for G Protein-Coupled Receptors Delineate Two Major Classes of Receptors", The Journal of Biological Chemistry, June 2, 2000, Vol. 275, No. 22, pgs. 17201-17210	
AV	L.S. Barak et al., "A $\beta$ -Arrestin/Green Fluorescent Protein Biosensor for Detecting G Protein-Coupled Receptor Activation", The Journal of Biological Chemistry, October 31, 1997, Vol. 272, No. 44, pgs. 27497-27500	
AW	A. Kovoov et al., "Targeted Construction of Phosphorylation-Independent $\beta$ -Arrestin Mutants with Constitutive Activity in Cells", The Journal of Biological Chemistry, March 12, 1999, Vol. 274, No. 11, pgs. 6831-6834	

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub- Class	Filing Date if Approp.
	AA						
	AB						
	AC						
	AD						
	AE						

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub- Class	Translation Yes No
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

	AL	J. Lahiri et al., "Method for Fabricating Supported Bilayer Lipid Membranes on Gold", Langmuir, 2000, Vol. 16, pgs. 7805-7810
	AM	W.W. Shen et al., "Polymer-Supported Lipid Bilayers on Benzophenone-Modified Substrates", Biomacromolecules, 2001, Vol. 2, pgs. 70-79
	AN	E. Sackmann, "Supported Membranes: Scientific and Practical Applications", Science, January 5, 1996, Vol. 271, pgs. 43-48
	AO	S.M. Nielsen et al., "Constitutive Activation of Tethered-Peptide/Corticotropin-Releasing Factor Receptor Chimeras", Proc. Natl. Acad. Sci., August 30, 2000, Vol. 97, No. 18, pgs. 10277-10281
	AP	S. Angers et al., "Detection of $\beta_2$ -Adrenergic Receptor Dimerization in Living Cells Using Bioluminescence Resonance Energy Transfer (BRET)", Proc. Natl. Acad. Sci., March 28, 2000, Vol. 97, No. 7, pgs. 3684-3689
	AQ	A.J. Morris et al., "Physiological Regulation of G Protein-Linked Singaling", Physiological Reviews, October 1999, Vol. 79, No. 4, pgs. 1373-1430
	AR	
	AS	
	AT	
	AU	
	AV	
	AW	

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